Acrylonitrile 945
Adhesive Failure 916
Aerodynamics 825
Ageing 963
Agglomerates 1036
Aggregation 1003, 1007
Amorphous Polymers 938
Annular Flow 871
Beans 1043
Beltrami Flows 765
Bentonite Pastes 917
Binary Fluid Mixtures 854
Binary Fluids 815
Binary Mixtures
  suspensions 970
Biocrystals 927
Biopolymers 946
Bioreactors 867
Birefringence 806, 864, 868
Blade Coating 1024
Blood 998
Blown Film Process 954
Boger Fluid 766, 853, 856
Boundary Layer Flow 768, 771
Branched Polymers 796
Bread 847
Bulk Modulus 940, 951
Butadiene 945
Capillary Flow 956
Carbon Black 1036
Carbon Dioxide 1022
Carrageenan 858
Casein 896
Cellulose Filler 941
Cellulosics 959
Cement 846
Channel Flow 835, 857, 981, 1007
Cheese 847
Chocolate 914
Cilia 1038
Circular Entry Flows 851
Circular Jet 1050
Clay 983, 988, 996, 997
  suspensions 897
CMC 858, 897
Coanda Effect 835
Colloids 910, 970
  aggregating 832
  dumbbells 777
Composites 951
  elastic 930
  fibrous 941
  periodic 930
Compressibility 988
Compression 947, 987
  uniaxial 847
  testing 1034
Compressive Flow 853
Computer Simulation 948
Constant Stress Rheometry 943
Constitutive Equations 763, 766, 954
Contraction Flow 886
Convection 824, 840
Convective Patterns 854
Copolymers 945, 957, 1015
Cowpeas 909
Creep 770, 929, 938
Creeping Flow 855
Critical State Theory 804
Crossflow Permeability 856
Crystal 927
Crystallisation 944
Curved Pipe Flow 782
Dean Vortices 857
Deborah Number 866
Deflocculation 986
Deformations
  step-strain 893
Dental Materials 846
Dichroism 806
Die Swell
  delayed 852
Dilatancy 980
Dilatational Modulus 952
Dilute Solutions 906, 966
Dispersions
  concentrated 913, 980
  turbulent 977
DNA 817
Dough 919, 1002
Drag Force 1007
Drag Reduction 768
Dunes 819
Dynamic Mechanical Properties 960
Dynamic Moduli 882
Elastic Liquid
  ideal 853
Elastic Waves 801

Acrylonitrile 945
Adhesive Failure 916
Aerodynamics 825
Ageing 963
Agglomerates 1036
Aggregation 1003, 1007
Amorphous Polymers 938
Annular Flow 871
Beans 1043
Beltrami Flows 765
Bentonite Pastes 917
Binary Fluid Mixtures 854
Binary Fluids 815
Binary Mixtures
  suspensions 970
Biocrystals 927
Biopolymers 946
Bioreactors 867
Birefringence 806, 864, 868
Blade Coating 1024
Blood 998
Blown Film Process 954
Boger Fluid 766, 853, 856
Boundary Layer Flow 768, 771
Branched Polymers 796
Bread 847
Bulk Modulus 940, 951
Butadiene 945
Capillary Flow 956
Carbon Black 1036
Carbon Dioxide 1022
Carrageenan 858
Casein 896
Cellulose Filler 941
Cellulosics 959
Cement 846
Channel Flow 835, 857, 981, 1007
Cheese 847
Chocolate 914
Cilia 1038
Circular Entry Flows 851
Circular Jet 1050
Clay 983, 988, 996, 997
  suspensions 897
CMC 858, 897
Coanda Effect 835
Colloids 910, 970
  aggregating 832
  dumbbells 777
Composites 951
  elastic 930
  fibrous 941
  periodic 930
Compressibility 988
Compression 947, 987
  uniaxial 847
  testing 1034
Compressive Flow 853
Computer Simulation 948
Constant Stress Rheometry 943
Constitutive Equations 763, 766, 954
Contraction Flow 886
Convection 824, 840
Convective Patterns 854
Copolymers 945, 957, 1015
Cowpeas 909
Creep 770, 929, 938
Creeping Flow 855
Critical State Theory 804
Crossflow Permeability 856
Crystal 927
Crystallisation 944
Curved Pipe Flow 782
Dean Vortices 857
Deborah Number 866
Deflocculation 986
Deformations
  step-strain 893
Dental Materials 846
Dichroism 806
Die Swell
  delayed 852
Dilatancy 980
Dilatational Modulus 952
Dilute Solutions 906, 966
Dispersions
  concentrated 913, 980
  turbulent 977
DNA 817
Dough 919, 1002
Drag Force 1007
Drag Reduction 768
Dunes 819
Dynamic Mechanical Properties 960
Dynamic Moduli 882
Elastic Liquid
  ideal 853
Elastic Waves 801

Elasticity 770, 1048
Elastin 1008
  arterial 1000
Elastohydrodynamics 811, 1024
Elastomer 940
Electrophoresis 777
Electrorheology 908, 910
Elongated Polycarbonate 963
Elongational
  flow 813, 883, 977
  viscosity 884, 890
Emulsion Droplets 799
Entanglements 944
Epoxy
  mortar 990
  resin 951
Erythrocyte 1001, 1023
Ethylene 1015
Extensional
  flow 766, 817, 856, 880, 885
  flow Resistance 866
  rheometer 848, 891
  viscosity 851, 852, 860, 869, 886, 891
Extrudate Swell 834
Extruder 904, 918, 948, 1035
Extrusion 872, 919, 920, 955, 989
  multilayer 892
Eyring Fluid 811
Fibre Spinning 860
Fibres 949
  hollow 867
Fibrin 1009
Filtration Flow 809
Finite Element Analysis 820, 836
Flagella 1038
Flory-Huggins Parameter 952
Flow
  annular 871
  boundary layer 768
  channel 971
  core-annular 1055
  curved pipe 810
  duct experiments 861
  extensional 862
  laminar 825
  low Reynolds number 808
  modelling 803
  multilayer 892
  multiphase 842, 971
  near groynes 807
  nonlinear 870
  Oldroyd B fluid 785
  oscillating 859, 1052, 1039
  periodic 782
  porous media 776
  pulsatile 1012
  pulsing 776
  separated 772
  slug 873
  swirling 1041
  turbulent 1032
  two channel 788
  two phase 873, 911
Flow Behaviour
  mixtures 858
Flow Imaging 867
Flow Induced Orientation 774
Flow Instabilities 857, 877
Flow Mapping 911
Flow Measurement 875
Flow Patterns 814, 840, 865
Flow Stability 879
Flow Visualisation 849, 878, 1056
Fluid Drop 781, 790
Fluid Fracture 1020
Fluid M1 851, 852, 869
Fluid Motion 783
Fluid Sheet 1016
Fluidisation Model 899
Fluidised Beds 814
Foam
  plastic 1040
  solid 770
Food 847, 925, 989
Fouling 803
Gas Flow 830
Gelation 778, 923
Gels 923, 993, 995, 1009
  polyelectrolyte 959
  surimi 987
Glass 846, 928, 934, 1021
  2D atomic 833
  network 1045
Glass Transition 935, 960
Glasses
  epoxy 902
Gluten 999, 1002, 1005
Glycoproteins 1001

Granular Flow 804, 899, 1027, 1046
Guar 858
Gum 1004
Hollow Fibre Bioreactor 875
Horizontal Stretching 885
Hydrodynamic
  effects 818
  instability 1027
Hydrodynamics 1051
Hydrogels 1030
Hydroxypropylcellulose 906, 956
Hypersonic Flow 773
Ice 929
Incremental Elasticity 951
Indentation Theory 846
Injection Moulding 964
Inks 1053
Instrument 897, 902
Interpenetrating Polymer Networks
  miscible 935
Intrinsic Viscosity 874, 973
Isoprene Rubber 941
Jet
  circular 1050
  flow 878
Kaolinite 986
Lactalbumin 896
Lactoglobulin 896
Lagerstroms Equation 827
Laminar Flow 820
Large Strain Shear 926
Legumes 1043
Lennard Jones Fluid 813, 816, 823, 828, 837
Lipid
  concentrated dispersions 764
Liquid Crystals 774, 956
  nematic 794
Liquid Jet 862, 881
Lithosphere 932
Locust Bean Gum 858
Magnetoviscosity 971
Maleic Anhydride 957
Malt Extracts 863
Mark-Houwink Equation 969
Maxwell Fluid 831
Melt
  flow 955
  fracture 916
Melting Point 843
Membrane 903, 1001
Micelles 778, 984
Mixed
  films 896
  solutions 1044
Mixing 979
  heat 992
Model 954, 968
Modelling 822, 871, 889, 920, 934, 996
Modulus 1034
Mol. Wt. Distribution 907
Molecular Dynamics 786, 800, 812, 813, 816, 817, 821, 823, 826, 828, 833, 837, 838, 841
Molecular Weight 974
Molecularly Thin Films 1033
Moulding 889
Mucin 1011
Mucus 1010, 1037
Mullin's Effect 936
Navier Stokes Eqtn 765, 773, 775, 810
Neoprene 940
Networks 936, 937
NMR Imaging 875
Non Newtonian Liquid 876, 1013
Normal Stress Coeff. 882, 886, 888, 943
Numerical Analysis 774, 813, 814, 827, 836, 870, 1052
Numerical Simulation 786, 789, 793, 799, 800, 812, 815, 816, 821, 823, 826, 828, 832, 837, 838, 839, 844, 908
Nylon 6 961
Oedometer 988
Oldroyd B Fluid 795
Oldroyd B Model 853, 860
Optical Birefringence 869
Orange Juice 1054
Oscillatory Flow 859
Paper 931
Particle
  migration 781
  motion 829
Particles 901
Particulate Flow 1028
Pastes 872
  cement 992
Pectin 923
Penetrometry 928

Percolation Theory 821
Periodic Flow 782
Physical Ageing 938
Pipe Flow 925, 1019, 1047
Pipeline Transport 1055
Plant Tissue 1017
Plastic Deformation 833
Plastic Flow 787
Plasticity 770, 927
Poisson Ratio 931
Poly(2,4,5-trichlorophenyl methacrylate) 966
Poly(2,6-dimethyl-1,4-phenylene oxide) 967
Poly(2-chlorophenyl methacrylate) 966
Poly(3-hydroxybutyrate-3-hydroxyvalerate) 946
Poly(3-hydroxybutyrate-4-hydroxybutyrate) 946
Poly(butylene terephthalate) 938
Poly(ethylene imine) 969
Poly(glycolic acid) 895
Poly(methyl methacrylate) 921, 958
Poly(mono-methyl itaconate) 972
Poly(vinyl chloride) 958
Polyacrylamide 876
Polyblends 958
Polybutadiene 922
Polycarbonate 938, 963
Polycrystals
  cubic 926
Polydioxanone 895
Polyethylene 955
  high density 938, 944, 968
  linear low density 916, 965
  low density 796, 965
  medium density 968
Polyisobutylene 763, 767, 868
Polyisoprene 975
Polymer
  semi crystalline 938
Polymer Melt 763, 953
Polymer Blends 961, 965, 967
  immiscible 942
Polymer Conformation 798
Polymer Deformation 797
Polymer Degradation 856
Polymer Extrusion 916
Polymer Fracture 817
Polymer Mixtures 922
Polymer Relaxation 796
Polymer Solution 886, 950
  dilute 891
Polymers 883
  liquid crystalline 898
  rapid deformation 947
Polypropylene 895, 942, 961
Polysaccharide 974
Polystyrene 922, 935, 942, 954, 967
  atactic 944
  particles 921
  spheres 970
Polystyrene Melt 939
Polystyrene-Dibutyl Phthalate 893
Polyurea 964
Polyurethane 940
  films 962
Polyvinylmethylether 935
Porous Media 770, 802
Potato 991
Propylene 1015
Protein 896, 1006
Pulsatile Flow 1012
Pultrusion 889
Rayleigh Taylor Instability 831
Re-entrant Tube Entry Flow 851
Red Blood Cells 1003, 1007
Reinforced Rubber 941
Resin Flow 889
Rheo-Optics 967
Rheokinetics 964
Rheometer
  opposing jet 877
Rice
  popped 1042
Roll Coating
  reverse 876
Rubber
  nitrile 894
Rubber Elasticity 952
Sand Beds 978
Sand Piles 1046
Sausage 847
Second Order Fluid 943
Sediment 981
Sedimentation 805, 982, 1023
Sensory Correlation 917
Separated Flows 772

Shear Bands 804
Shear Disaggregation 1007
Shear Flow 812
  oscillatory 868
  transient 767, 794
Shear Thickening 979, 980
Shear Viscosity 874
Silica 970
Silica Suspensions 913
Silicate Cement 846
Simulation 802
Slip 791
Slip Flow 786
Slurries 1042
Slurry 994
Sodium Poly(L-glutamate) 1044
Sodium Poly(styrene sulphonate) 973, 1044
Soil 836, 988
Solid
  polycrystalline 791
Solutions
  semidilute 922
Spillways 784
Spreadability 917
Spreading 1016
Square Well Fluid 838
Squeezing Flow 785
Squid Mantle 933
Stability 804
Stable Flows 892
Stagnation Point Flow 869
Starch 985
Starch Dough 920
Stirred Reactor 1013
Stokes Flow 808, 809
Stress Relaxation 770, 894, 895, 907, 945, 968
Stress-Strain Relations 949
Succinoglycan 974
Sudden Expansion 1032
Sulphur
  liquid 826, 1014
Superabsorbent Polymers 959
Supercritical Flow 789
Surface Fluidisation 1046
Surface Properties 764
Surface Viscosity 896
Surfactant 984
Suspensions 803, 908, 970, 976, 981
  dilute 792
  fibres 862
  hard sphere 806
  microstructure 806
  pigment 983
  polydisperse 862
  quartz 921
  rods 915
  spheres 805
Sutures 895
Swelling 952, 959
Swelling Pressure 988
Symmetric Flow 789, 835
Taylor Bubbles 780
Taylor Dispersion 1047
Taylor Vortex 789
Technique
  dropping spheres 855
  falling ball rheometry 915
  falling cylinder 890
  flow visualisation 878
  fluid elasticity 1018
  fluorescence depolarisation 903, 912
  high speed photography 947
  hot wire 905, 1029
  laser doppler velocimetry 1032
  light scattering 922
  magnetic resonance imaging 867
  modified ubbelohde viscometer 900
  neutron scattering 921
  opposed jets 880
  pendant drop 884
  penetration 917
  speckle photography 888
  two roll mill 864
Test Fluid M1 766, 850, 853, 855, 856, 864, 866, 868, 877, 880, 883, 884, 885, 887, 888, 891
Thermal Properties 946
Thermocapillary Motion 790
Thermorheological Behaviour 935
Tomato Paste 989
Torsional Dilatometer 902
Transient Flow 898
Tube Arrays 1031
Tube Flow 810

corrugated 866
Turbulence 819, 911, 924, 1041, 1050
Turbulent Flow 793, 822, 1032
Turbulent Shear Flow 839
Two Fluid Model 842
Two Phase Flow 899, 911
Uniaxial Extension 937
Vane-Cup Rheometer 897
Viscoelastic Fluid 848
Viscoelastic Model 968
Viscoelasticity
conservation laws 769
Viscoplastic Flow 791
Viscosity 960, 1021
extensional 862
of diatomic fluid mixtures 841
shear 1014
surface shear 896
Viscous Drop 1049
Wall Effects 855
Weissenberg Effect 888
Wheat Protein 1002
Whey Protein 993, 995
Whirlpools 1056
Xenon 1022
Zanthoxylum Gum 1004